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PATENT ABSTRACTS OF JAPAN(21) Application number: **08207140**(51) Intl. Cl.: **B01D 21/06 B01D 21/24 C02F 1/40**(22) Application date: **06.08.96**

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states:(71) Applicant: **NKK CORP**(72) Inventor: **OOHASHI KAZUSATO**

(74) Representative:

**(54) SCUM SCRAPING
METHOD FOR CIRCULAR
SETTLING BASIN AND
DEVICE THEREFOR**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a scum scraping method for a circular settling basin capable of efficiently scraping the sum floating on the entire water surface of this settling basin to a scum discharge section and a device therefor.

SOLUTION: This device has a revolving shaft which exists at the center of a settling basin body 10 and an arm 30 which is mounted toward the radial direction of the settling basin body 10 in its upper part. This arm is provided with a stationary scraping board 31 which is fixed toward the swiveling direction of the arm 10 and a movable scrapping board 33 which is constituted to make its scraping surface movable toward the radial direction of the settling basin body. The movable scrapping board 33 is mounted at a bar-shaped member suspended at the arm in a horizontally movable state. The bottom end of this bar-shaped

member is engaged in a state of allowing its horizontal movement and a state of prohibiting its upward movement with an annular guide rail 34 which is disposed at the level lower than the arm 30 and forms a loop reaching the neighborhood of a scum discharge port 14 in the peripheral part enclosing a center well 12 of the central part of the settling basin body.

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